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OLD SERIES, VOL. XX } CONTINUATION OF THE BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB. { NEW SERIES, VOL. XII

The Auk

A Quarterly Journal of Ornithology

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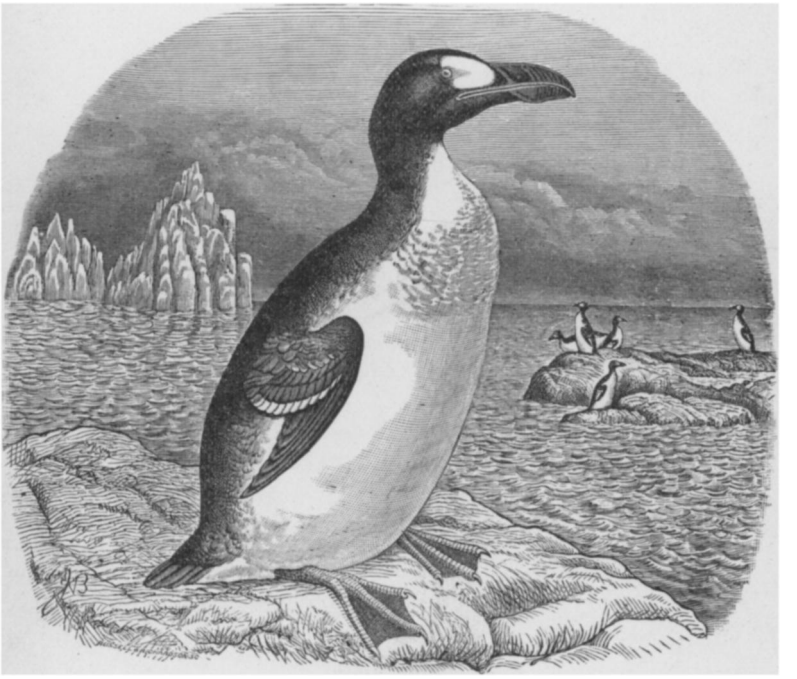

VOLUME XII
PUBLISHED FOR
The American Ornithologists' Union

NEW YORK
L. S. FOSTER
1895

CONTENTS OF VOLUME XII.

NUMBER I.

PAGE

A WINTER ROBIN ROOST IN MISSOURI, AND OTHER ORNITHOLOGICAL NOTES. By *O. Widmann.* 1

ON THE NESTING OF KRIDER'S HAWK (*Buteo borealis krideri*) IN MINNESOTA. By *P. B. Peabody.* 11

THE NEST AND EGGS OF THE OLIVE WARBLER (*Dendroica olivacea*). By *William W. Price.* 17

A CONTRIBUTION TO THE LIFE HISTORY OF *Porzana cinereiceps* LAWRENCE, WITH CRITICAL NOTES ON SOME OF ITS ALLIES. By *Charles W. Richmond.* 19

THE TERNS OF MUSKEGET ISLAND, MASSACHUSETTS. By *George H. Mackay.* 32

A SWALLOW ROOST AT WATERVILLE, MAINE. By *Abby F. C. Bates.* 48

A NEW SPECIES OF *Thryothorus* FROM THE PACIFIC COAST. By *A. W. Anthony.* 51

A NEW SUBSPECIES OF *Harporhynchus* FROM LOWER CALIFORNIA. By *A. W. Anthony.* 52

THE LECONTE THRASHER (*Harporhynchus lecontei*). By *C. Hart Merriam.* (Plate I.) 54

TWELFTH CONGRESS OF THE AMERICAN ORNITHOLOGISTS' UNION. By *John H. Sage.* 60

RECENT LITERATURE.

Elliot's Monograph of the Pittidæ, 65; Two Popular Bird Books, 66; 'The Birds About Us,' 67; Chapman's List of the Birds of the Vicinity of New York City, 69; Ridgway on New Birds from the Galapagos Islands, 70; Lucas on the Affinities of the Cœrebidæ, 71; Rhoads's Reprint of Ord's North American Zoölogy, 72; Reichenow's Birds of German East Africa, 73; Publications Received, 74.

GENERAL NOTES.

'Gull Dick' again, 76; Southern Capture of *Larus leucopterus*, 76; The Emperor Goose in British Columbia, 76; *Branta canadensis*, 77; Cory's Least Bittern in Michigan, 77; The Red Phalarope at Bridgeport, Conn., 77; *Numenius hudsonicus*, 77; The 1894 Migration of *Charadrius dominicus* in Massachusetts, 78; Unsea-

sonable Nesting of the Ground Dove in Florida, 79; The Passenger Pigeon in Aitkin County, Minn., with a recent Record for Northeastern Illinois, 80; The Turkey Buzzard in Plainfield, New Jersey, 80; Notes on the California Vulture, 81; Clark's Nutcracker in Eastern Missouri, 82; Chats reared by Song Sparrows, 82; A Swallow Roost near Portland, Conn., 83; *Vireo philadelphicus* in Cambridge, Mass., 84; The Prothonotary Warbler in Massachusetts, 84; The Winter Wren a Night Singer, 84; A Belated Mockingbird in Eastern Massachusetts, 84; The Willow Thrush (*Turdus fuscescens salicicolus*) a Migrant in Northeastern Illinois, 85; Two Records from Keokuk, Iowa, 85; Connecticut Notes, 86; Bird Notes from Springfield, Massachusetts, 86; North American Bird Notes from Costa Rica, 87; Notes on the Summer Birds of Central Berkshire County, Mass.. 87; Some Notes on Cape Breton Summer Birds, 89.

CORRESPONDENCE.

A Demand for English Names, 90; A Photograph of Audubon, 93.

NOTES AND NEWS.

Obituary—Prof. J. W. P. Jenks, 94; Dr. Eduard Baldamus, 94; Ornithological works in prospect, 95; New Ornithological Journals, 95; New Publications, 96; Ornithological Explorations, 96; A. O. U. Committee on Bird Protection, 97; Amendments to the A. O. U. By-Laws and Rules, 97; Biological Survey of the Rocky Mountain Region, 98.

NUMBER II.

PAGE

A Remarkable Plumage of the Prairie Hen (*Tympanuchus americanus*). By *William Brewster*. (Plate II.) . . . 99
The Fulmars of Southern California. By *A. W. Anthony*. . 100
Description of a New *Pipilo* from Southern and Lower California. By *A. W. Anthony*. 109
Swainson's Warbler an Inhabitant of the Swampy Woods of Southeastern Missouri. By *Otto Widmann*. . . . 112
Bird Migration at Grinnell, Iowa. By *Lynds Jones*. . . 117
Birds of San Fernando, Lower California. By *A. W. Anthony*. 134
On the Status of Bischoff's Song Sparrow (*Melospiza insignis* Baird). By *Charles W. Richmond*. 144
The Summer Range of Colorado Birds. By *W. W. Cooke*. . 150
Additional Characters of the Macropterygidæ. By *Frederic A. Lucas*. 155
Notes on Certain Flycatchers of the Genus *Empidonax*. By *William Brewster*. 157
Seventh Supplement to the American Ornithologists' Union Check-List of North American Birds. 163

RECENT LITERATURE.

Newton's 'Dictionary of Birds,' Part III, 169; Stone's Birds of Eastern Pennsylvania and New Jersey, 170; A Flying Trip to the Tropics, 172; Shufeldt on the Osteology of Cranes and Rails, 172; Grundtvig on the Birds of Shiocton, Wisconsin, 173; Bourns and Worcester on the Birds of the Philippine Islands, 173; Merriam's Laws of Temperature Control of the Distribution of Land Animals and Plants, 174; Publications Received, 176.

GENERAL NOTES.

Brünnich's Murre in Oneida County, N. Y., 177; Brünnich's Murre (*Uria lomvia*) in Connecticut, 177; The Pacific Kittiwake at San Diego, California, 177; Terns of Muskeget Island.— A Correction, 178; Breeding Habits of Terns, 178; *Diomedea exulans* on the Columbia in 1813, 178; The Black-capped Petrel (*Æstrelata hasitata*) in Ulster County, New York, in January, 179; The European Widgeon (*Anas penelope*) in Indiana, 179; Baird's Sandpiper on Long Island Sound, N. Y., 179; The Golden Eagle in New Jersey, 179; The White Gyrfalcon in New England, 180; the American Barn Owl Breeding at Washington, D. C., in Winter, 180; The Great Gray and Hawk Owls in St. Lawrence County, N. Y., 181; An Albino Ruby-crowned Kinglet, 181; Clark's Nutcracker, 181; The Cowbird Wintering in New Hampshire, 182; The Goldfinch (*Carduelis carduelis*) near Boston, Mass., 182; Second Occurrence of Harris's Sparrow (*Zonotrichia querula*) in British Columbia, 182; A Set of Unspotted Eggs of the Chipping Sparrow, 182; *Junco hyemalis shufeldti* in Lower California, 183; Mortality among White-bellied Swallows, in Florida, 183; The Rough-winged Swallow (*Stelgidopteryx serripennis*) and Tree Swallows (*Tachycineta bicolor*) Wintering in South Carolina, 184; A Ground Nest of the Black-throated Green Warbler, 184; *Dendroica palmarum* in New Jersey, 185; Breeding of the Blue-gray Gnatcatcher in Minnesota, 185; The Systematic Name of the Mexican Creeper, 185; A New Family of Birds, 186; The Tongues of Birds, 186; Bird Fatality along Nebraska Railroads, 187; Florida Notes, 187; Notes on the Winter Birds of Cape Cod, Massachusetts, 188; Notes from Southern New Jersey, 189; Some Notes from Pennsylvania, 189; Some Uncommon and Rare Birds of Erie County, Ohio, 190; Notes from the Upper Peninsula of Michigan, 191.

CORRESPONDENCE.

'A Demand for English Names,' 192; Cold Storage as an Aid to the Bird Collector, 195; Apparatus for Preparing Birds' Eggs, 196.

NOTES AND NEWS.

Obituary — George N. Lawrence, 198; Dr. Frederick H. Hoadley, 199; Delaware Ornithological Club, 200; Announcements, 200.

NUMBER III.

PAGE

NOTES ON BIRDS OBSERVED IN TRINIDAD. By *William Brewster* and *Frank M. Chapman*. (Plate III.) 201

LIST OF BIRDS OBSERVED IN THE VICINITY OF FORT KEOGH, MONTANA, FROM JULY 1888, TO SEPTEMBER, 1892. By *Platte M. Thorne*. 211

AN HOUR WITH BAIRD'S AND LECONTE'S SPARROWS NEAR ST. LOUIS, MISSOURI. By *O. Widmann*. 219

NOTES AND EXTRACTS FROM A LETTER OF EDWARD HARRIS. By *George Spencer Morris*. 225

BIRD MIGRATION AT GRINNELL, IOWA. By *Lynds Jones*. . . 231

A REMARKABLE FLIGHT OF PINE GROSBEAKS (*Pinicola enucleator*). By *William Brewster*. 245

DESCRIPTION OF A NEW HERON (*Ardea virescens anthonyi*) FROM THE ARID REGION OF THE INTERIOR OF NORTH AMERICA. By *Edgar A. Mearns, M. D.* 257

HAWK FLIGHTS IN CONNECTICUT. By *C. C. Trowbridge*. . . 259

NOTES ON THE ANCIENT MURRELET (*Synthliborhamphus antiquus*) BY CHASE LITTLEJOHN, WITH ANNOTATIONS. By Major *Charles Bendire*. 270

DESCRIPTION OF TWO NEW SPECIES OF BIRDS FROM SAN DOMINGO. By *Charles B. Cory*. 278

THE STATUS OF *Heleodytes affinis*. By *A. W. Anthony*. . . . 280

RECENT LITERATURE.

Birdcraft, 281; Chapman's 'Handbook of Birds of Eastern North America.' 282; Minot's Land-Birds and Game-Birds of New England, Second Edition, 284; Degen on the Evolution of the Bird's Wing, 286; Bulletins 4 and 5 of the Wilson Ornithological Chapter, 286; Clark on the Pterylography of North American Goatsuckers and Owls, 287; Verrill on Antarctic Birds, 288; Publications Received, 288.

GENERAL NOTES.

Brünnich's Murre near Johnstown, N. Y., 290; *Gavia alba* on Long Island, N. Y., 290; Probable Occurrence of *Creagrus furcatus* off San Diego, California, 291; History of a Wandering Albatross, 291; Another European Widgeon (*Anas penelope*) in Indiana, 292; Record of a Third Specimen of the European Widgeon (*Anas penelope*) in Indiana, 292; The Old Squaw (*Clangula hyemalis*) in Colorado, 292; The Old Squaw (*Clangula hyemalis*) on the Coast of South Carolina, 293; *Aythya marila* or *A. m. nearctica*? 293; An Apparently Undescribed Plumage of *Oidemia perspicillata*, 295; The Masked Duck (*Nomonyx dominicus*) in the Lower Rio Grande Valley, Texas, 297; Lincoln Salt Lake and the Occurrence of *Strepsilas interpres*, 297; A Sora caught by a Mussel, 297; An addition to the Birds of Colorado, 298; Additional Records of the Passenger Pigeon in Illinois

and Indiana, 298; Ospreys at Bristol, Rhode Island, 300; The Great Gray Owl in Oneida County, New York, 301; January Occurrence of the 'Sapsucker' in Brookline, Mass., 301; Breeding of Traill's Flycatcher in Eastern Massachusetts, 302; The Western Meadowlark at Racine, Wisc., etc., 302; Strange Habits of the Rusty and Crow Blackbirds, 303; Notes on the Breeding of the American Crossbill in Hamilton County, New York, 304; Peculiar Nest of a Chipping Sparrow, 305; Harris's Sparrow in British Columbia, 305; The Lark Bunting in South Carolina, 305; Summer Redbird at Saybrook, Conn., 306; Prothonotary Warbler near New York City, 306; Occurrence of *Helinaia swainsoni* in the Dismal Swamp, Virginia, 307; *Helminthophila leucobronchialis* in Maryland, 307; Nesting of *Helminthophila leucobronchialis* in Connecticut, 307; Nesting of *Mimus polyglottos* in Eastern Massachusetts, 308; More Wyoming Mockingbirds, 309; Absence of the Bluebird at Meadville, Pa., 309; Nantucket Notes, 310; Notes on Some Connecticut Birds, 310; Bird Notes from St. Albans, Vermont, 311; Some Rare Birds of Recent Occurrence near Buffalo, 312; Two Unique Nesting-sites in and about Camp Buildings in Hamilton County, New York, 314.

NOTES AND NEWS.

Obituary, Edward Hargitt, 315; John S. Cairns, 315; Franklin Fairbanks, 315; George H. Ragsdale, 316; Rev. A. H. Gesner, 316; Prof. Thomas H. Huxley, 316; New Publications, 317; Ornithological Explorations in San Domingo, 318; The Scott Collection of Mounted Birds at Harvard College, 318.

NUMBER IV.

PAGE

On Fisher's Petrel (*Æstrelata fisheri*). By *Robert Ridgway*. (Plate IV.) 319

Gätke's Heligoland. By *Elliott Coues*. 322

New Races of *Colaptes* and *Passerella* from the Pacific Coast. By *A. W. Anthony*. 347

The Brown Creeper Nesting in the Cypress Swamp of Southeastern Missouri. By *O. Widmann*. 350

A Collection of Birds from Mount Orizaba, Mexico. By *Ulysses O. Cox*. 356

An Historic Letter. By *John H. Sage*. 359

Notes on the Birds of the Wacissa and Aucilla River Regions of Florida. By *Arthur T. Wayne*. 362

Descriptions of Three New Birds from the Island of Margarita, Venezuela. By *Charles W. Richmond*. 367

Descriptions of Two New Subspecies of California Birds. By *F. Stephens*. 371

RECENT LITERATURE.

Sharpe and Wyatt's Monograph of the Swallows, 373; Ornithology in the Standard Dictionary, 375; Dwight on the Ipswich Sparrow, 377; Loomis on California Water Birds, 378; Ridgway's Ornithology of Illinois, 379; The Food Habits of Woodpeckers, 380; Barrows and Schwarz on the Food of the Common Crow, 381; Forbush on Birds as Protectors of Orchards, 383; Merriam on the Geographical Distribution of Animals and Plants in North America, 384; Suchetet on Hybridity in Birds, 384; Chapman's Handbook of Birds of Eastern North America, Second Edition, 385; Stone on the Name *Calliste*, 385; Publications Received, 385.

GENERAL NOTES.

Brünnich's Murre in Michigan, 387; *Oceanodroma socorroensis* off San Diego, Calif., 387; Nesting of the Red breasted Merganser on Saddleback Ledge, Maine, 387; Breeding of *Somateria dresseri* near Isle au Haut, Maine, 388; The Scaled Partridge (*Callipepla squamata*) in Colorado, 388; The Passenger Pigeon in the Upper Mississippi Valley, 389; A Large Brood of Ospreys, 389; On the Correct Subspecific Names of the Texan and Mexican Screech Owls, 369; The St. Lucas Flycatcher in California, 390; Skylarks Nesting on Long Island, 390; The American Crossbill, 390; *Junco phæonotus* Wagler, not *J. cinereus* (Swainson), 391; Henslow's Sparrow in Indiana, 391; The Rough-winged Swallow (*Stelgidopteryx serripennis*) breeding in North Adams, Berkshire Co., Mass., 392; *Turdus aliciæ bicknelli* and *Otocoris alpestris praticola* as Summer Residents of Berkshire County, Mass., 392; Notes from Western New York, 393; Notes on Some Birds of Northeastern Illinois, 393.

CORRESPONDENCE.

A Relative of Alexander Wilson, 396.

NOTES AND NEWS.

Thirteenth Congress of A. O. U., 397; Professor Dyche's Expedition to Greenland, 397; Diurnal Migration of Birds, 397; Sale of a Great Auk's Egg, 397.

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RADDE, Dr. GUSTAV FERDINAND, Tiflis, Russia.....1884
RAMSEY, E. P., Sydney, New South Wales.....1884
RINGER, FREDERIC, Nagasaki, Japan.....1888
SCHALOW, Dr. HERMAN, 105 Rathenowerstrasse, Berlin.....1884
SELYS-LONGSCHAMPS, Baron EDMOND DE, Liége, Belgium.....1884
SHELLEY, Capt. G. E., 10 Thurloe Square, London, S. W.....1884
THEEL, Dr. HJALMAR, University of Upsala, Upsala, Sweden.....1884
TRISTRAM, Rev. Canon H. B., The College, Durham, England.....1884
TSCHUSI ZU SCHMIDHOFFEN, Count VICTOR RITTER VON, Hallein, (Villa Hännenhof), Salzburg, Austria.....1884
WATERHOUSE, F. H., 3 Hanover Square, London, W.....1889
WHARTON, HENRY T., 39 St. George's Road, Kilburn, London, N. W. 1884
ZELEDON, Don José C., San José, Costa Rica.....1884

ASSOCIATE MEMBERS.

ADAMS, STEPHEN J., Cornish, Me.....1892
ADNEY, E. T., 189 West 136th St., New York City.....1885
ALLEN, CHARLES ANDREW, Nicasio, Marin Co., Cala.....1894
ALLEN, FRANCIS H., West Roxbury, Mass.....1888
ALLEN, WILLIAM G., 1 Edward St., Worcester, Mass.....1893
ANTHONY, A. W., 2042 Albatross St., San Diego, Cala.....1885
ARCHER, W. C., 252 7th St., Jersey City, N. J.....1888
ARNOLD, EDWARD, 126 Van Buren St., Battle Creek, Mich.....1894
ATHERTON, FRANK IRVING, P. O. Box 60, Los Gatos, Cala.....1894
ATKINS, JOHN W., Key West, Florida.....1887
ATTWATER, H. P., San Antonio, Texas.....1891
AVERILL, C. K., Jr., Bridgeport, Conn.....1885
AYER, ED. E., 1 Bank St., Chicago Ill.....1889
BABBITT, JAMES P., Taunton, Mass.....1891
BACON, CARRINGTON C., Imboden, Arkansas.....1890
BACON, SAMUEL E., Jr., 2d National Bank, Erie, Pa.....1891
BAGG, EGBERT, 191 Genesee St., Utica, N. Y.....1883
BALL, CARLETON R., Little Rock, Iowa.....1891
BALL, Miss HELEN A., Worcester, Mass.....1893
BAILEY, VERNON, Elk River, Minn.....1887
BAILY, CHARLES E., Malden, Mass.....1890
BAILY, WILLIAM L., 138 South 4th St., Philadelphia, Pa.....1885
BAKER, CARL F., Fort Collins, Colo.....1893
BAKER, FRANK COLLINS, Acad. Sci., Lincoln Park, Chicago, Ill.....1894
BANGS, EDWARD APPLETON, 31 Pemberton Sq., Boston, Mass.....1884
BANGS, OUTRAM, 31 Pemberton Sq., Boston, Mass.....1884
BANKS, J. W., St. John, N. B.....1887
BARBOUR, Prof. ERWIN H., Univ. of Neb., Lincoln, Nebraska.....1892
BARLOW, CHESTER, Santa Clara, Cala.....1894
BARNARD, JOB, 500 5th St., N. W., Washington, D. C.....1886
BARNES, Hon. R. M., Lacon, Ill.....1889
BARNEY, EVERETT H., Springfield, Mass.....1891
BASKETT, J. N., Mexico, Mo.....1892
BATES, ABBY FRANCES CALDWELL, Waterville, Maine.....1894
BAUR, Dr. G., Univ. of Chicago, Chicago, Ill.....1892
BAXTER, GEORGE STRONG, Jr., 109 E. 17th St., New York City.....1894
BEAL, F. E. L., 1513 Kingman Place, Washington, D. C.....1887
BEAN, J. BELLFIELD, Nicollet, Minn.....1892
BEARD, DANIEL C., 110 Fifth Ave., New York City.....1887
BECK, ROLLO HOWARD, Berryessa, Santa Clara Co., Cala.....1894
BEHR, EDWARD A., 428 Henry St., Brooklyn, N. Y.....1892
BELL, JAMES P. H., Gainesville, Fla.....1889
BELLOWS, ED. D., 215½ 4th St., Jersey City, N. J.....1889

BENNER, FRANKLIN, 110 2d St., N. Minneapolis, Minn.....1883
BENNERS, GEO. B., 122 Walnut St., Philadelphia, Pa.....1889
BENT, ARTHUR CLEVELAND, Plymouth, Mass.....1889
BENTON, Lieut. H. C., U. S. A., The Presidio, San Francisco, Cala..1886
BERGTOLD, Dr. W. H., 3213 Champa St., Denver, Colo.....1889
BERIER, DELAGNEL, Ridgewood, N. J.....1885
BILL, CHARLES, Springfield, Mass.....1889
BISHOP, Dr. LOUIS B., 77 Whitney Ave, New Haven, Conn.....1885
BOARDMAN, GEORGE A., Calais, Maine.....1883
BOIES, A. H., Hudson, Mich.....1890
BOND, FRANK, Cheyenne, Wyoming..... 1887
BOND, HARRY L., Sioux City, Iowa.....1890
BOWDISH, B. S., Tallapoosa, Ga.....1890
BOWERS, LIONEL F., Columbia, Lancaster Co., Pa.....1894
BOWLES, J. H., Ponkapog, Mass.....1891
BRADFORD, L. M. B., Providence, R. I.....1889
BRANDRETH, FRANKLIN, Sing Sing, N. Y.....1889
BRETHERTON, BERNARD J., Newport, Lincoln Co., Oregon.....1893
BREWSTER, E. E., Iron Mountain, Mich.....1893
BRIMLEY, CLEMENT S., Raleigh, N. C.....1888
BROCK, HENRY HERBERT, M. D., Portland, Me.....1894
BROCKUNIER, SAMUEL H., Wheeling, West Virginia.....1889
BROKAW, L. W., St. Joseph, Ill.....1893
BROOKS, EARLE A., Morgantown, Upshur Co., W. Va.....1892
BROWN, A. D., Pipestone, Minn.....1891
BROWN, EDWARD J., 820 20th St. N. W., Washington, D. C.....1891
BROWN, HERBERT, Tucson, Arizona.....1885
BROWN, HUBERT H., 22 Collier St., Toronto, Ontario.....1889
BROWN, JOHN CLIFFORD, Portland, Me.....1888
BROWN, WILMOT W., Jr., West Somerville, Mass.....1892
BROWNE, FRANCIS CHARLES, Framingham, Mass.....1883
BRUCE, MARY EMILY, Easthampton, Mass.....1894
BRYANT, JOHN A., 1221 Olive St., Kansas City, Mo.....1893
BRYANT, DR. WM. SAWYER, Cohasset, Mass.....1893
BUHLER, ULYSSE, 129 E. 76th St., New York City.....1894
BULLEY, REGINALD H., Canton, Ohio.....1889
BURNS, FRANK L., Berwyn, Chester Co., Pa.....1891
BURTON, H. C., 228 South St., New York City.....1893
BUTLER, AMOS W., Brookville, Ind.....1885
CAIRNS, JOHN S., Weaverville, N. C.....1889
CALL, AUBREY BRENDON, Townshend, Vt.....1894
CAMPBELL, HARVEY C., Lansingburg, Rens. Co., N. Y.....1890
CAMPBELL, ROBERT ARGYLL, Boulder, Colo.....1894
CANFIELD, J. B., 329 Iraniston Ave., Bridgeport, Conn.....1893
CARPENTER, CHARLES KNAPP, Ann Arbor, Mich.....1894
CARRUTH, CHARLES THEODORE, 4 Fayerweather St., Cambridge, Mass.....1891

CARY, CLINTON DE LA MONTAIGNE, 181 W. 135th St., New York City.....1894
CASE, CLIFFORD M., 54 Babcock St., Hartford, Conn.....1892
CASE, RALPH ERNEST, Avon, Conn.....1894
CAULK, WM. B., Terre Haute, Ind.....1891
CHAMBERLAIN, C. W., 51 Lincoln St., Boston, Mass.....1885
CHAMBERLAIN, ERNEST, Jubilee, Peoria Co., Ill.....1893
CHASE, VIRGINIUS H., Wady Petra, Ill.....1892
CHERRIE, GEORGE K., Field Columbian Museum, Chicago, Ill.....1891
CHUBB, SAMUEL H., 110 W. 124th St., New York City.....1894
CLARK, HUBERT LYMAN, 906 McCulloh St., Baltimore, Md.....1886
CLARK, JOHN N., Saybrook, Conn.....1885
CLARKE, Prof. S. F., Williamstown, Mass.....1890
COALE, H. K., 136 Washington St., Chicago, Ill.....1883
COBB, Miss JULIAETTE J., West Brookfield, Mass.....1892
COLBURN, ALBERT E., 700 Fourth St., N. E., Washington, D. C...1891
COLBURN, W. W., Springfield, Mass.....1889
COLT, WILLIAM C., 59 Pleasant St., Worcester, Mass.....1892
COMEAU, NAPOLEON A., Godbout, P. Q.....1885
CONDIT, DAYTON LORD, St. Anthony Park, Minn.....1894
CONGDON, HERBERT WHEATON, West New Brighton, N. Y.....1893
CONKLIN, CHARLES E., Roslyn, N. Y.....1892
CONKLIN, Dr. WILLIAM A., 10th Ave. cor. 187th St., New York City.1885
COOK, ALBERT JOHN, Claremont, Cala.....1894
COPE, ALBAN, Hartford, Conn.....1885
COPE, FRANCIS R., Jr., Philadelphia, Pa.....1892
CORBETT, HERBERT EDWIN, Pipestone, Minn.....1894
COUES, ELLIOTT BAIRD, Bellevue Med. Coll., New York City.....1886
COUES, WILLIAM PEARCE, Mass. Gen. Hospital, Boston, Mass.....1888
CRAM, R. J., 26 Hancock Ave., W., Detroit, Mich.....1893
CRAMPTON, H. E., Jr., 256 W. 121st St., New York City.....1891
CRANDALL, C. W., Woodside, Queen's Co., N. Y.....1891
CRONE, JOHN V., Marathon, Iowa.....1893
CULYER, Col. JOHN Y., Room 150, Potter Building, New York City.1890
CURRIER, EDMONDE SAMUEL, Keokuk, Iowa.....1894
DAENZER, CARL, St. Louis, Mo.....1888
DAFFIN, W. H., 5000 Franklin St., Philadelphia, Pa.....1892
DAGGETT, FRANK S., Duluth, Minn.....1889
DANA, J. LE ROY, Blackhawk, Colo.....1889
DAVIS, DENNIS BARNES, 816 Colfax St., Toledo, Ohio.....1894
DAVIS, GEORGE A., Mexico, N. Y.....1890
DAVIS, NATHAN L., Brockport, N. Y.....1893
DAVISON, J. L., Lockport, Niagara Co., N. Y.....1885
DEAN, R. H., Tennallytown, Washington, D. C.....1893
DE HAVEN, ISAAC NORRIS, Ardmore, Pa.....1893
DELAFIELD, JOSEPH L., 475 Fifth Ave., New York City.....1888
DENNE, DAVID, 100 St. Francis Xavier St., Montreal, Can.....1890

DETWILLER, Dr. JNO. W., Bethlehem, Pa.....1891
DEWEY, Miss MARGARET, 168 Pearl St., Springfield, Mass.....1892
DICKINSON, EDWIN, Springfield, Mass.....1885
DICKINSON, JOSEPH A., Gresham, Nebr.....1894
DICKINSON, JOSEPH EDWARD, Rockford, Ill.....1894
DICKINSON, W. S., Tarpon Springs, Fla.....1891
DILLE, FREDERIC M , 611 McPhee Bldg., Denver, Colo.....1892
DIONNE, C. E., Laval Univ., Quebec, Can. 1893
DIXON, FREDERIC J., Hackensack, N. J. 1891
DOERTENBACH, WILLIAM FAUTZ, 226 Main St., Pueblo, Colo.....1894
DOUGHERTY, Capt. W. E., U. S. A., Hoopa Valley, Cala.....1890
DOUGLASS, BERT H., Burlington, Kansas 1890
DRAKE, LEWIS MARVIN, Blissfield, Mich.....1894
DUNBAR, W. LINFRED, 53 College House, Cambridge, Mass.....1892
DURFEE, OWEN, Fall River, Mass.....1887
DUTCHER, B. H., 525 Manhattan Ave., New York City..... 1886
DYCHE, Prof. L. L., Lawrence, Kansas..... 1886
EAMES, Dr. EDWIN H., Bridgeport, Conn. 1888
EASTMAN, HARRY D., Framingham, Mass. 1891
EATON, ALVAH A., Seabrook, N. H.....1890
EDDY, NEWELL A., 615 North Grant St., Bay City, Michigan.....1885
EDGAR, NEWBOLD, 28 E. 39th St., New York City 1891
EDSON, JOHN M., New Whatcom, Washington.....1886
EDWARDS, WILLIAM SEYMOUR, Charleston, W. Va.....1894
ELDON, CHARLES H., Williamsport, Pa.....1891
ELROD, Prof. M. J., Illinois Wesleyan Univ., Bloomington, Ill.....1892
ERWIN, GORDON W., Y. M. C. A., Sedalia, Mo.....1892
EVANS, EVAN M., Englewood, N. J.....1888
EVERMANN, Prof. BARTON W., U. S. Fish Comm., Washington, D. C. 1883
FAIRBANKS, Hon. FRANKLIN, St. Johnsbury, Vt.....1885
FANNIN, JOHN, Provincial Museum, Victoria, B. C.....1888
FARLEY, JOHN A., Newton, Mass.....1892
FAXON, Dr. WALTER, Mus. Comp. Zoöl., Cambridge, Mass.....1891
FERGUSON, CHAUNCY COFFIN, Pittsfield, Maine.....1894
FERNALD, ROBERT HEYWOOD, 121 Streator Ave., Cleveland, Ohio...1890
FERRY, JOHN. FARWELL, Lake Forrest, Lake Co., Ill 1894
FIGGINS, JESSE DADE, Kensington, Md.....1889
FISHER, WILLARD J., Medway, Mass.....1892
FISHER, WILLIAM HUBBELL, 12 Wiggins Block, Cincinnati, Ohio....1883
FLANDERS, JAMES WALTER, Wilmot Flat, N. H.....1894
FLEMING, JAMES H., Toronto, Can.....1893
FLINT, HARRY W., Yale National Bank, New Haven, Conn.....1888
FLINT, WILLIAM R., Oakland, Cala.....1890
FLOOD, OLIVER D., Malden, Mass.....1893
FLOYD, HARRY WEBB, 2 Verona Place, Brooklyn, N. Y.....1892
FORBUSH, EDWARD H., Malden, Mass.....1887
FOSTER, FRANCIS APTHORP, Cambridge, Mass.....1893

FOWLER, FREDERICK HALL, Fort Logan, Colo.....1892
FOWLER, Capt. J. L., 2d Cavalry U. S. A., Fort Logan, Colo.....1892
FOX, Dr. WILLIAM H., 1826 Jefferson Place, Washington, D. C.....1883
FRANCIS, NATHANIEL ATWOOD, Brookline, Mass.....1893
FROST, ALBERT H., 255 W. 74th St., New York City.....1893
FUERTES, LOUIS AGASSIZ, Ithaca, N. Y.....1891
FULLER, CHARLES ANTHONY, Brookline, Mass.....1894
GALE, DENIS, Gold Hill, Boulder Co., Colo.....1886
GARMAN, Prof. H., State College, Lexington, Ky.....1893
GARNIER, RALPH LEE, 8 Stocton St., Los Angeles, Cala.....1894
GAULT, BENJAMIN T., Glen Ellyn, DuPage Co., Ill.....1885
GESNER, Rev. A. H., Sing Sing, N. Y.....1885
GILBERT, Prof. CHARLES H., Leland Stanford Univ., Palo Alto, Cala.....1892
GILBERT, HAROLD L, Portland, Oregon.....1892
GLEASON, HERBERT W., 728 E. 18th St., Minneapolis, Minn.....1894
GOODALE, Dr. JOSEPH LINCOLN, 10 Craigie St., Cambridge, Mass.....1885
GOULD, JOSEPH E., Dennison, Ohio.....1889
GRANGER, WALTER W., Am. Mus. Nat. Hist., New York City.....1891
GRANT, JNO. B., The Institute, Flushing, N. Y.....1890
GREEN, MORRIS M., 706 E. Fayette St., Syracuse, N. Y.....1886
GREENE, I. C., Fitchburg, Mass.....1891
GREGG, Dr. WILLIAM H., 143 West 21st St., New York City.....1883
GRINNELL, JOSEPH, Passadena, Cala.....1894
HAHN, Rev. BENJAMIN DAVIESE, 266 Union St., Springfield, Mass.....1894
HALES, HENRY, Ridgewood, N. J.....1890
HAM, JUDSON BAXTER, Lyndon Centre, Vt.....1894
HAMFELDT, A., Ottawa, Ill.....1892
HAMLIN, GEORGE L., Bethel, Conn.....1893
HANCOCK, Dr. JOSEPH LANE, Michigan Ave., Chicago, Ill.....1894
HANMER, C. C., Burnside, Conn.....1888
HARGITT, CHARLES W., 904 E. Genesee St., Syracuse, N. Y.....1892
HARDY, MANLY, Brewer, Maine.....1883
HARRIS, WILLIAM C., Utica, N. Y.....1894
HARTE, CHARLES R., P. O. Box 136, Milford, Conn.....1890
HARTZELL, Prof. JOSEPH C., JR., Orangeburg, S. C.....1892
HASBROUCK, EDWIN M., 1448 Corcoran St., Washington, D. C.....1887
HATCH, JESSE MAURICE, Escondido, Cala.....1894
HAVEMEYER, H. O., Jr., Mahwah, N. J.....1893
HAWLEY, A. H., Vineland, N. J.....1886
HAZARD, R. G., 2d, Peace Dale, R. I.....1885
HEAPHY, Dr. LAWRENCE F., 104 E. 26th St., New York City.....1894
HECKER, FREDERICK C., Noroton, Conn.....1893
HECKER, GEORGE E., Noroton, Conn.....1893
HEDGES, CHARLES F., New Haven, Conn.....1891
HEIMSTREET, Dr. T. B., 14 Division St., Troy, N. Y.....1888
HELME, ARTHUR H., Miller's Place, Suffolk Co., N. Y.....1888
HENDRICKSON, W. F., 860 Broadway, New York City.....1885

HENNING, CARL FRITZ, Boone, Iowa.....1892
HEYLER, J. C., Nauvoo, Pa.....1892
HICKS, BENJAMIN D., Old Westbury, N. Y.....1892
HIGGINS, HENRY C., Cincinnatus, N. Y.....1892
HINE, Mrs. JANE L., Sedan, Ind.....1890
HITCHCOCK, FRANK HENRY, Dept. of Agriculture, Washington, D.C. 1891
HOADLEY, Dr. FREDERIC H., Westville, Conn.....1891
HOAG, BENJAMIN, Stephentown, N. Y.....1892
HOFFMAN, RALPH, Belmont, Mass.....1893
HOLCOMB, LEON C., 14 Howard St., Springfield, Mass.....1893
HOLLISTER, NED, Delavan, Wisc.....1894
HOLMES, F. H., Berryessa, Cala.....1893
HOLZNER, FRANK A., San Diego, Cala.....1893
HOMER, F. L., New Hamburg, Pa.....1893
HOOPES, JOSIAH, West Chester, Pa.....1889
HORNADAY, W. T., 53 Erie Co. B'k Bldg., Buffalo, N. Y.....1888
HOUGH, ROMEYN B., Lowville, N. Y.....1883
HOWELL, ARTHUR H., 459 Tompkins Ave., Brooklyn, N. Y.....1889
HOYLE, CHARLES E., West Millbury, Mass.....1889
HOYT, WILLIAM H., Stamford, Conn.....1888
HOWE, C. P., Waukesha, Wis.....1891
HUBBARD, Mrs. SARA A., 39 33rd St., Chicago, Ill.....1891
HUGHES, Dr. WILLIAM E., 3726 Baring St., Philadelphia, Pa.....1891
HULL, WALTER B., Box 47, Milwaukee, Wis.....1889
HUNTER, Miss SUSAN MORRISON, Lakewood, N. J.....1894
HURD, THEODORE D., Riverside, Cala.....1890
HVOSLEF, Dr. J. C., Lanesboro, Minn.....1885
HYATT, Miss MARY, Stanfordville, N. Y.....1891
INGALLS, CHARLES E., East Templeton, Mass.....1885
INGERSOLL, ALBERT M., 816 5th St., San Diego, Cala.....1885
INGRAHAM, D. P., Pueblo, Colo.....1889
IRVING, JOHN, 550 Park Ave., New York City.....1894
ISHAM, C. B., Am. Mus. Nat. Hist., New York City.....1891
JACKSON, THOMAS H., West Chester, Pa.....1888
JACOBS, J. WARREN, Waynesburg, Pa.....1889
JAMES, HOWARD K., 225 W. 38th St., New York City.....1888
JEFFRIES, WILLIAM AUGUSTUS, 78 Devonshire St., Boston, Mass.....1883
JESURUN, Dr. MORTIMER, Douglas, Wyoming.....1890
JOHNSON, ALBERT I., Des Moines, Iowa.....1885
JOHNSON, A. W., Upper Lake, Lake Co., Cala.....1893
JOHNSON, FRANK E., Parkville, Kings Co., N. Y.....1888
JOHNSON, JAMES HOWARD. Pittsfield, N. H.....1894
JOHNSON, WM. S., Boonville, N. Y.....1893
JOHNSTON, CHARLES HAVEN LADD, Southboro', Mass.....1894
JONES, LYNDS, College Museum, Oberlin, Ohio.....1888
JONES, Prof. MARCUS E., Salt Lake City, Utah.....1890
JORDAN, A. H. B., Johnsonburg, Pa.....1888

JORDAN, Prof. DAVID STARR, Stanford Univ., Cala.....1885
JUDD, SYLVESTER D., Harvard Univ., Cambridge, Mass.....1893
KELLER, CLYDE L., 318 Exchg. Blk., Salem, Oregon.....1892
KELLOGG, VERNON L., Stanford University, Cala.....1888
KENDALL, W. C., U. S. Fish Commission, Washington, D. C.....1886
KENNARD, FREDERIC HEDGE, Brookline, Mass.....1892
KENT, Prof. WALTER F., Lockport, N. Y.....1893
KEYSER, Rev. LEANDER S., Springfield, Ohio..... 1891
KIMBALL, R. E., 631 G St., N. W., Washington, D. C.....1893
KING, GEORGE GORDON, 5 W. 35th St., New York City.....1888
KIRKPATRICK, H. C., Meadville, Pa.....1891
KIRKWOOD, FRANK C., P. O. Box 364, Baltimore, Md.....1892
KNIGHT, ORA WILLIS, Bangor, Me.....1893
KNOWLTON, F. H., U. S. Nat. Mus., Washington, D. C.....1883
KOCH, Prof. AUGUST, Williamsport, Pa.....1891
KOCH, FREDERIC W., Univ. Cala., Berkeley, Cala.....1891
KOHN, GUSTAVE, 14 Carondelet St., New Orleans, La.....1886
KOUMLY, Rev. PIRMINE M., Seneca, Kas.....1892
KRAEMER, FREDERICK L., Box 198, Williamsport, Pa.....1893
KROM, STEPHEN ARTHUR, Plainfield, N. J. 1894
LADD, SAMUEL B., West Chester, Pa 1889
LAHEE, EUGENE H., Alton, Ill.....1893
LAMB, Prof. ELI M., Friends' High School, Baltimore, Md.....1891
LANGDON, EDWIN, Central National Bank, New York City.....1891
LANO, ALBERT, Madison, Minn.....1890
LANTZ, Prof. D. E., Manhattan, Kansas.....1885
LAWRENCE, ROBERT B., Mills Building, New York City.....1883
LAWRENCE, ROBERT HOE, 45 William St., New York City.....1890
LEVINGS, GLENN V. B., 117 W. 58th St., New York City.....1892
LEWIS, WILLIAM H., Pawtucket, R. I.....1890
LINSKILL, DAVID J., Plymouth, Pa.....1891
LIVERMORE, J., Newport, R. I.....1893
LONG, H. B., Worcester, Mass.....1889
LOOMIS, JOHN A., Paint Rock, Concho Co., Texas.....1887
LORING, J. ALDEN, U. S. Dep. Agriculture, Washington, D. C. 1889
LOWE, WILLOUGHBY P., Pueblo, Colo.....1893
LUHRMAN, JOHN, Jr., 158 Pacific Av., Jersey City, N. J.....1893
MACDOUGALL, GEO. R., 88 Wall St., New York City.....1890
MACGILLIVRAY, ALEXANDER D., Cornell Univ., Ithaca, N. Y.... .1890
MACKAY, Dr. A. H., Halifax, Nova Scotia.....1885
MACKAY, GEORGE H., Nantucket, Mass.....1890
MACOUN, Prof. JOHN, Geol. and Nat. Hist. Surv., Ottawa, Ontario..1883
MANN, Rev. ALBERT, 132 E. Hanover St , Trenton, N. J.....1894
MARCY, Prof. OLIVER, Evanston, Ill.....1892
MARIS, WILLARD LORRAINE, Newton, Bucks Co., Pa.....1894
MARSH, DANIEL J., Springfield, Mass.....1894
MAXON, WILLIAM RALPH, 132 Main St., Oneida, N. Y.....1894

MAY, FRANK DWIGHT, Jr., 17 Huntington St., Hartford, Conn.....1894
MCCORMICK, LOUIS M., Glen Island, N. Y.....1892
MCGREGOR, R. C., Palo Alto, Cala.....1889
MCILHENNY, EDWARD AVERY, Avery, La.....1894
MCLAIN, ROBERT BAIRD, Lock Box 1407, Ithaca, N. Y.....1893
MAITLAND, ROBERT L., 10 E. 35th St., New York City.....1889
MALI, CHARLES M., 93 Willow St, Brooklyn, N. Y.....1889
MARSHALL, ALFRED, 59 South Canal St., Chicago, Ill.....1886
MASON, EDWARD CAMPBELL, 110 Franklin St., Buffalo, N. Y.....1888
MELZER, JAMES P., Milford, N. H 1891
MÉNGE, Capt. J. F., Meyers, Fla.....1892
MERRIAM, Miss FLORENCE A., Locust Grove, Lewis Co., N. Y.....1885
MERRILL, HARRY, Bangor, Maine.....1883
METCALFE, WILLIAM C., 21 Cortlandt St., New York City.....1886
MILLER, GERRIT SMITH, Jr., Peterboro', N. Y.....1886
MILLER, HARRY E., Croton Falls, N. Y.....1892
MILLER, JAMES HENRY, Lowville, N. Y.....1894
MILLER, Mrs. OLIVE THORNE, 628 Hancock St., Brooklyn, N. Y 1887
MILLS, R. WALTER, Webster Groves, Mo.....1893
MITCHELL, WALTON, 534 Summit Ave., St. Paul, Minn.....1893
MONTGOMERY, THOMAS H., Jr., West Chester, Pa.....1891
MOORE, J. PERCY, Univ. of Pa., Philadelphia, Pa.....1886
MOORE, Dr. H. D., New Lexington, Pa.....1891
MORCOM, G. FREAN, Opera House Building, Los Angeles, Cala...1886
MORRIS, GEORGE SPENCER, Olney, Philadelphia, Pa.....1887
MORRIS, ROBERT O., Springfield, Mass.....1888
MORRISON, GEORGE A., Fox Lake, Wis.....1891
MORTIMER, BENJAMIN, 391 5th St., S. Brooklyn, N. Y.....1888
MOULTON, LORENZO EDWARD, Monson, Maine.....1893
MURDOCH, JOHN, Rock, Mass.....1883
MURPHY, Prof. EUGENE EDMUND, Athens, Ga.....1893
NACHTRIEB, Prof. HENRY F., Univ. of Minn., Minneapolis, Minn....1892
NASH, H. W., Pueblo, Colorado.....1892
NEAL, HERBERT VINCENT, 2 Shepherd Block, Cambridge, Mass....1894
NICHOLAS, Rev. GEORGE L., M. D., Medford, Taylor Co., Wisc.... .1888
NICHOLS, HOWARD GARDNER, Newton, Mass.....1892
NICHOLS, J. M., Greene, Maine.....1890
NISWANDER, Prof. F. J., Univ. of Wyoming, Laramie, Wy.....1893
NORRIS, GUY BRUNAUGH, Garden City, Kans.....1894
NORRIS, Rev. JAMES AVERY, Hastings on Hudson, N. Y.....1894
NORRIS, J. PARKER, 723 Walnut St., Philadelphia, Pa.....1886
NORTON, ARTHUR H., Westbrook, Maine.....1890
NORTON, ARTHUR HENRY WHITELEY, San Antonio, Texas.....1894
NORTON, RICHARD, Cambridge, Mass.....1888
OBERHOLSER, HARRY C., 557 Quincy St., Brooklyn, N. Y.....1888
OLDFIELD, W. A., Port Sanilac, Mich.....1891
O'NEIL, EDWARD, Sewickley, Allegheny Co., Pa.....1893

ONG, PLUMMER L., Laclede, Mo.....1888
ORTH, GEORGE S., 406 S. Hiland Ave., Pittsburgh, Pa.....1892
OSBORN, CHASE S., Sault Ste. Marie, Mich.....1893
OSBORNE, JOHN LANG, Manchester, N. H.....1894
OSBURN, Rev. WILLIAM, Nashville, Tenn.....1890
OSGOOD, WILFRED H., Willcox, Cochise Co., Ariz.....1893
OWEN, VIRGIL WILLIAMS, P. O. Box 774, Los Angeles, Cala.....1894
PAINE, AUGUSTUS G., Jr., 47 W. 45th St., New York City.....1886
PALMER, E. L., New Haven, Conn.....1891
PALMER, THEODORE S., Dept. of Agriculture, Washington, D. C.....1888
PALMER, WM., U. S. Nat. Mus., Washington, D. C.....1888
PANNEPACKER, D. E., 2550 North 12th St., Philadelphia, Pa.....1888
PARK, J. T., St. Elmo, Hamilton Co., Tenn.....1890
PARKER, J. GRAFTON, Jr., 100 Washington St., Chicago, Ill.....1894
PEABODY, Rev. P. B., Wilder, Minn.....1891
PEABODY, WILLIAM RODMAN, Cambridge, Mass.....1890
PEACOCK, W. F., Chico, Butte Co., Cala.....1888
PEARSON, T. GILBERT, Archer, Fla.....1891
PENNOCK, C. J., Kennett Square, Chester Co., Pa.....1888
PERKINS, CHARLES E., Hartford, Conn.....1888
PERNOT, E. A., Granger, Benton Co., Oregon.....1891
PETERSON, J. P., West Denmark P. O., Polk Co., Wis.....1885
PHILLIPS, A. H., Princeton, N. J.....1891
PIERCE, A. K., Renovo, Pa.....1891
PIERS, HARRY, "Stanyan," Willow Park, Halifax, N. S.....1891
PLEASANTS, J. H., Jr., 606 Cathedral St., Baltimore, Md.....1888
POMEROY, HARRY KIRKLAND, P. O. Box 575, Kalamazoo, Mich.....1894
POPE, ARTHUR LAMSON, Sheridan, Oregon.....1894
POPENOE, Prof. E. A., Manhattan, Kan.....1886
PORTER, LOUIS H., 358 Whitehall St., New Haven, Conn.....1893
PRAEGER, WILLIAM E., Keokuk, Iowa.....1892
PREBLE, EDWARD A., Dept. of Agriculture, Washington, D. C.....1892
PRENTISS, D. W., Jr., Washington, D. C.....1890
PRICE, WILLIAM W., Stanford University, Cala.....1893
PRILL, Dr. A. G., Sodaville, Oregon.....1890
PRIME, Rev. WENDELL, 38 Park Row, New York City.....1889
PURDY, JAMES B., Plymouth, Mich.....1893
RAGSDALE, G. H., Gainesville, Texas.....1885
RAINE, WALTER, 181 Bleeker St., Toronto, Ontario.....1889
RALPH, Dr. WILLIAM L., 26 Court St., Utica, N. Y.....1888
RANN, Mrs. MARY L., Manchester, Iowa.....1893
RAUB, Dr. M. W., Lancaster, Pa.....1890
RATHBUN, FRANK R., 42½ Franklin St., Auburn, N. Y.....1883
RATHBUN, SAMUEL F., Seattle, Wash.....1893
RAWSON, CALVIN L., Norwich, Conn.....1885
REDINGTON, ALFRED P., 23 Second St., San Francisco, Cala.....1890
REED, J. HARRIS, Beverly, N. J.....1890

REED, HOWARD S., 1320 Gaylord St., Denver, Colo.....1894
REISER, Rev. F., Anaheim, Orange Co., Cala.....1892
RENWICK, FRANK H., Seattle, Wash.....1893
RHOADS, SAMUEL N., Haddonfield, N. J.....1885
RICE, FRANK L., 47 S Canal St., Chicago, Ill.....1886
RICHARDS, JOHN BION, 10 Barnaby St., Fall River, Mass.....1888
RICHARDSON, W. M., Am. Mus. Nat. Hist., New York City.....1891
RICHMOND, CHARLES W., 1908 9th St., N. W., Washington, D. C....1888
RICKER, EVERETT WILDER, P. O. Box 5083, Boston, Mass.....1894
RIDGWAY, JOHN L., U. S. Geol. Surv., Washington, D. C.....1890
RIECKER, ERNST, 900 South 4th St., St. Louis, Mo.....1888
RIKER, CLARENCE B., Maplewood, N. J.....1885
RIVES, Dr. WILLIAM C., 113 East 38th St., New York City.....1885
ROBBINS, WILLIAM A., 178 Garfield Place, Brooklyn, N. Y.....1888
ROBERTS, GEORGE W., West Chester, Pa.....1891
ROBERTS, W. F., 1421 G St., N. W., Washington, D. C.....1888
RODDY, Prof. H. JUSTIN, Millersville, Pa.....1891
ROOD, Mrs. E. IRENE, 202 Oakwood Boulevard, Chicago, Ill.....1893
ROOSEVELT, Hon. THEODORE, Oyster Bay, Queens Co., N. Y.....1888
ROTZELL, Dr. W. E., Narberth, Pa.....1893
ROWLAND, THOMAS, 182 6th Ave., New York City.....1890
ROWLEY, JOHN, Jr., Am. Mus. Nat. Hist., New York City.....1889
ROZYCKI, STEPHEN, Bureau of Steam Engineering, Navy Dept., Washington, D. C.....1894
RUSSELL, GEORGE C., Erie, Pa.....1888
RUSSELL, ROY, Kokomo, Indiana.....1891
RUSSELL, WILLIAM BLACK, Fiskdale, Mass.....1893
SAGE, HENRY M., Albany, N. Y.....1885
SARGENT, HARRY B., 366 W. 116th St., New York City.....1892
SAVAGE, DAVID LEWIS, Salem, Iowa.....1894
SCHALER, JOHN, Stamford, Conn.....1893
SCHURR, THEODORE A., Pittsfield, Mass.....1888
SCHWAB, Rev. LAWRENCE H., 101 Lawrence St., New York City....1892
SCOTT, W. L., 74 Sparks St., Ottawa, Ontario.....1883
SCROGGS, Dr. G. A., Tempe, Ariz.....1891
SCUDDER, BRADFORD A., Taunton, Mass.....1893
SHARPLESS, ROBERT P., Elgin, Ill.....1894
SHEARER, AMON R., Wallaceville, Chambers Co., Texas.....1893
SHEPPARD, EDWIN, Acad. Nat. Sci., Philadelphia, Pa.....1892
SHERRATT, W. J., 263 North 2d St., Philadelphia, Pa.....1891
SHORES, Dr. E. I., Soldiers' Home, Hampton, Va.....1883
SHORT, ERNEST H., Chili, N. Y.....1891
SHRYOCK, WILLIAM A., 823 N. Broad St., Philadelphia, Pa.....1893
SIMMONS, EGBERT W., 239 Westminster St., Providence, R. I....1894
SKINNER, FRANCIS B., Rockville, Conn.....1894
SLADE, JOHN A., 1134 Herkimer St., Brooklyn, N. Y.....1888
SLATER, JAMES HOWE, Webster, Mass.....1894

SMITH, CLARENCE A., 182 Fifth Avenue, New York City.....1889
SMITH, HORACE G., 2918 Lafayette St., Denver, Col.....1888
SMITH, Dr. HUGH M., 1248 New Jersey Ave., Washington, D. C.....1886
SMITH, JAMES E., East Killingly, Conn.....1889
SMITH, S. SIDNEY, 59 Wall St., New York City.....1888
SMYTH, Prof. ELLISON A., Jr., Agr. and Mech. Coll., Blacksburg, Va..1892
SORNBORGER, JEWELL D., Cambridge, Mass.....1888
SOUTHWICK, E. B., Arsenal Bldg., Central Park, New York City....1888
SPAULDING, FRED. B., Lancaster, N. H.....1894
SPELMAN, HENRY MUNSON, 62 Sparks St., Cambridge, Mass.....1883
SPRAGUE, JOHN C., 257 W. 74th St., New York City.....1891
SPRATT, CHESMAN CHADWICK, Richmond, Maine.....1894
STANTON, Prof. J. Y., Bates College, Lewiston, Me.....1883
STEERE, Prof. J. B., Univ. of Mich., Ann Arbor, Mich 1890
STEERE, JOSEPH H., Sault Ste. Marie, Mich.....1894
STEPHENS, F., Witch Creek, San Diego Co., Cala.....1883
STEPHENSON, Mrs. LOUISE MCGOWN, Helena, Ark.....1894
STOEY, W. W., Harrisburg, Pa.....1891
STONE, CLARENCE FREEDOM, Branchport, N. Y.....1894
STONE, DWIGHT, D. Lansing, N. Y.....1891
STONE, Dr. W. H., Palmer, Mass.....1893
STONEBURN, FRED. H., Harrisburg, Pa.....1893
STREATOR, CLARK P., Garrettsville, O.....1889
STREEKER, JOHN KERN, Jr., Waco, Texas..... .1894
STRONG, REUBEN M., Oberlin, Ohio.....1889
STUDER, JACOB H., 114 Fifth Ave., New York City.....1888
SURBER, THADDEUS, White Sulphur Springs, West Va.....1890
SWINBURNE, JOHN, Guernsey, England.....1887
TALBOT, D. H., Sioux City, Iowa.....1885
TATLOCK, JOHN, Jr., Mutual Life Ins. Co., New York City.....1887
TAYLOR, ALEXANDER O'DRISCOLL, 124 Bellevue Ave., Newport, R. I. 1888
TAYLOR, H., 63 Park Place, Bridgeport, Conn.....1893
TAYLOR, TRUMAN R., 200 N. Union St., Rochester, N. Y.....1892
TEST, FREDERICK CLEVELAND, U. S. Nat. Mus., Washington, D. C..1892
THOMPSON, ERNEST E., 86 Howard St., Toronto, Can.....1883
THOMPSON, FRANK J., Zoölogical Garden, Philadelphia, Pa.....1885
THOMSON, Prof. GEORGE S., Parker, Ariz.....1892
THORNE, Capt. PLATTE M., 22d Inf. U. S. A., 513 Broadway, Albany, N. Y.....1885
THURBER, E. CARLETON, Alhambra, Cala.....1886
TODD, LOUIS M., Calais, Me.....1887
TODD, W. E. CLYDE, Dept. Agriculture, Washington, D. C.....1890
TOPPAN, GEORGE L., 138 Jackson St., Chicago, Ill.....1886
TORREY, BRADFORD, Wellesley Hills, Mass.....1883
TORTAT, W. R. M., Atchison, Kansas.....1890
TOWNSEND, CHARLES H., Fish Comm., Washington, D. C.....1883
TOWNSEND, WILMOT, Bay Ridge, N. Y.....1894

TREAT, WILLARD E., East Hartford, Conn.....1885
TROMBLEY, JEROME, Petersburg, Mich.....1885
TROTTER, Dr. SPENCER, Swarthmore College, Swarthmore, Pa.....1888
TROVILLION, Dr. E. B., Gold Hill, Colo.....1893
TUTTLE, Dr. CARL, Berlin Heights, Ohio.....1890
VAN CORTLANDT, Miss ANNE S., Croton-on-Hudson, N. Y.....1885
VAN DENBURG, JOHN, Acad. Sci., San Francisco, Cala.....1893
VAN WINKLE, EDMUND, Vans Harbor, Mich.....1894
VAUGHAN, CLIFFORD WHEATON, 47 W. 83d St., New York City.....1894
VELIE, Dr. J. W., St. Joseph, Mich.....1886
VILARO, Dr. JUAN, Havana Univ., Havana, Cuba.....1888
VOORHEES, CLARK G., 33 W. 42nd St., New York City.....1888
WALCOTT, ROBERT, 11 Waterhouse St., Cambridge, Mass.....1893
WALKER, Dr. R. L., Carnegie, Pa.....1888
WALL, EDWARD, San Bernardino, Cala.....1894
WALTER, HERBERT EUGENE, 402 Center St., Chicago, Ill.....1894
WARREN, Dr. B. H., West Chester, Pa.....1885
WARREN, OSCAR BIRD, Palmer, Mich.....1892
WASHBURN, F. L., Corvallis, Oregon.....1893
WATERS, EDWARD STANLEY, Holyoke, Mass.....1894
WATKINS, L. WHITNEY, Manchester, Mich.....1894
WEBSTER, FREDERIC S., 106 E. 23d St., New York City.....1886
WEBB, WALTER F., Albion, N. Y.....1891
WEEKS, DAVID FRANKLIN, Portland, Oregon.....1894
WEIDMAN, JOE, Ames, Iowa.....1893
WEST, LEWIS H., Roslyn, Queens Co., N. Y.....1887
WEST, SAMUEL H., Flushing, Queens Co., N. Y.....1889
WHITE, FRANCIS BEACH, Cambridge, Mass.....1891
WHITE, STEWART E., Grand Rapids, Mich.....1890
WHITNEY, Prof. E. R., Binghamton, N. Y.....1891
WHITAKER, WILLIAM LINCOLN, Cedar Grove, Frankford P. O., Philadelphia, Pa.....1894
WHOLEY, W. N., 204 Brady Ave., Baltimore, Md.....1891
WICKHAM, H. H., Beaver, Pa.....1890
WICKS, M. L., Jr., Los Angeles, Cala.....1890
WILDE, MARK L. C., Camden, N. J.....1893
WILLIAMS, Dr. HENRY SMITH, 66 W. 84th St., New York City.....1893
WILLIAMS, J. BICKERTON, 710 Sherbrooke St., Montreal, Can.....1889
WILLIAMS, ROBERT S., Columbia Falls, Montana.....1888
WILLIAMS, W. J. B., Holland Patent, N. Y.....1893
WILSON, WM. EDWARD, 387 Olney St., Providence, R. I.....1894
WINTLE, ERNEST D., 11 Hospital St., Montreal, Can.....1887
WOOD, A. H., Painted Post, N. Y.....1887
WOOD, Mrs. JOSEPH, West Brookfield, Mass.....1893
WOODRUFF, FRANK M., Acad. Sci., Lincoln Park, Chicago, Ill.....1894
WOODRUFF, LEWIS B., 14 East 68th St., New York City.....1886
WOODS, WILLIAM J., State Bank Bldg., Richmond, Va.....1892

WOODWORTH, Mrs. NELLY HART, St. Albans, Vt.....1894
WORTHEN, CHARLES K., Warsaw, Ill.....1891
WORTHINGTON, R. B., Dedham, Mass.....1893
WORTHINGTON, WILLIS W., Shelter Island, Suffolk Co., N. Y 1889
WRIGHT, FRANK S., 14 Cayuga St., Auburn, N. Y.....1894
YORKE, Dr. F. HENRY, Hallock, Minn.....1891
YOUNG, CURTIS CLAY, 63 Greene Ave., Brooklyn, N. Y.....1891
YOUNG, HENRY LATHROP, Poughkeepsie, N. Y.....1894
ZWARG, EMIL, Marysville, Cala.....1893

DECEASED MEMBERS.

ACTIVE MEMBERS.

Date of Death.

BAIRD, SPENCER FULLERTON.....Aug. 19, 1887
GOSS, N. S.....March 10, 1891
HOLDER, JOSEPH B.....Feb. 28, 1888
JEFFRIES, JOHN AMORY.....March 26, 1892
WHEATON, JOHN M.....Jan. 28, 1887

HONORARY MEMBERS.

BURMEISTER, HERMANN.....May 1, 1892
GURNEY, JOHN HENRY.....April 20, 1890
KRAUS, FERDINAND.....Sept. 15, 1890
PARKER, WILLIAM KITCHEN.....July 3, 1890
PELZELN, AUGUST VON.....Sept. 2, 1891
SCHLEGEL, HERMANN.....Jan. 17, 1884
TACZANOWSKI, LADISLAS.....Jan. 17, 1890

CORRESPONDING MEMBERS.

BALDAMUS, EDUARD, Halle, Germany.....Oct. 30, 1893
BLAKISTON, THOMAS W.....Oct. 15, 1891
BOGDANOW, MODEST N.....March 4, 1888
HAAST, JULIUS VON.....Aug. 15, 1887
HOMEYER, E. F. VON.....May 31, 1889
MARSCHALL, A. F.....Oct. 11, 1887
MIDDENDORFF, ALEXANDER THEODOR VON.....Jan. 28, 1894
PREJEVALSKI, N. M.....Oct. 20, 1887
PRYER, HARRY JAMES STOVIN.....Feb. 17, 1888
SCHRENCK, LEOPOLD VON.....Jan. 20, 1894
SEVERTZOW, N.....Feb. 8, 1885
STEVENSON, HENRY.....Aug. 18, 1888

Associate Members.

Adams, Charles F. ..... May 20, 1893
Allen, Charles Slover ..... Oct. 15, 1893
Atkins, H. A. ..... May 19, 1885
Avery, William Cushman ..... March 11, 1894
Beckham, Charles Wickliffe ..... June 8, 1888
Bolles, Frank ..... Jan. 10, 1894
Breese, William L. ..... Dec. 7, 1889
Corning, Erastus, Jr. ..... April 9, 1893
Coe, W. W. ..... April 26, 1885
Elliott, S. Lowell ..... Feb. 11, 1889
Goss, Benjamin F. ..... July 6, 1893
Howland, John Snowdon ..... Sept. 19, 1885
Jenks, John W. P. ..... Sept. 27, 1894
Jouy, Pierre Louis ..... March 22, 1894
Kumlien, Thure ..... Aug. 5, 1888
Linden, Charles ..... Feb. 3, 1888
Mabbett, Gideon ..... Aug. 15, 1890
Minot, Henry Davis ..... Nov. 13, 1890
Northrop, John I. ..... June 26, 1891
Park, Austin F. ..... Sept 22, 1893
Richardson, Jenness ..... June 24, 1893
Small, Edgar A. ..... April 24, 1884
Vennor, H. G. ..... June 8, 1884
Willard, Samuel Wells ..... May 24, 1887
Wood, William ..... Aug. 9, 1885